

Claims

1. Method for interworking between protocols, having

- a connection (CALL_{A/B}) between a first subscriber (A) and a
5 second subscriber (B), including at least one data channel
(TDM_{A/B}, RTP/RTCP_{A/B}) having at least one transmitter to one
end,

- a performance feature (3PTY/CONF) which, during its
10 execution, provides a temporary disconnection of the data
channel,

- a first protocol (ISUP) for controlling the first subscriber,
- a second protocol (SIP) for controlling the second
subscriber, according to which the disconnection is produced
on a decentralized basis by deactivating the transmitter,

15 having the following steps:

- configuring the connections in the context of executing the
performance feature,
- notifying the configuration to the subscribers concerned,
- interworking the notification onto the second protocol of the
20 subscriber whose transmitter was deactivated during the
execution of the performance feature, provided the type of
configuration makes activation of the transmitter necessary,
- activating the said transmitter.

25 2. Method according to claim 1,

in which the performance feature takes the form of a
conference, in particular a large conference (CONF)
corresponding to the ITU-T standard Q.734.1, or a small
conference (3PTY) corresponding to the ITU-T standard Q.734.2,
30 in which the disconnection according to the first protocol is
produced by interrupting the data channel in a central
transmission node.

3. Method according to the preceding claim,
in which deactivation takes place as a result of integrating a
connection into a conference or isolating a connection from a
conference.

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4. Method according to one of the preceding claims,
in which interworking is executed only when the transmitter is
still deactivated.

10 5. Method according to one of the preceding claims,
in which, in the event that the first protocol (ISUP) is
formatted according to one of the ITU-T standards Q.734.1 or
Q.734.2, and the second protocol (SIP) is formatted as SIP
protocol according to one of the IETF standards RFC2543,
15 RFC2543bis0x, RFC3261 or RFC3372, the interworking is produced
as follows:

- Each Q.734 call progress (CPG) notification with a generic
notification indicator parameter "Conference established" is
mapped onto a SIP message with an attribute line "a=sendrecv"
20 or "a=recvonly" or a SIP message without this attribute line,
if previously a SIP message with the attribute line
"a=sendonly" or "a=inactive" has been sent,
- Each Q.734 call progress (CPG) notification with a generic
notification indicator parameter "Conference disconnected" is
25 mapped onto a SIP message with an attribute line "a=sendrecv"
or "a=recvonly" or a SIP message without this attribute line,
if previously a SIP message with the attribute line
"a=sendonly" or "a=inactive" has been sent,
- Each Q.734 call progress (CPG) notification with a generic
30 notification indicator parameter "Isolated" is mapped onto a
SIP message with an attribute line "a=sendonly" or
"a=inactive",
- Each Q.734 call progress (CPG) notification with a generic

notification indicator parameter "Reattached" is mapped onto a SIP message with an attribute line "a=sendrecv" or "a=recvonly" or a SIP message without this attribute line.

- 5 6. Method according to the preceding claim,
in which the SIP message takes the form of INVITE in the
"Answered" status of the associated subscriber and UPDATE in
the "before answer" status.
- 10 7. Method according to one of the two preceding claims,
in which interworking is executed only when, after the
transmission of a SIP message with an attribute line
"a=sendonly" or "a=inactive", no SIP message with an attribute
line "a=sendrecv" or "a=recvonly" and no SIP message without
15 said attribute line has been sent.
8. Computer program product (P), including software code
sections by means of which a method according to one of the
preceding claims is executed by at least one processor.
- 20 9. Device - in particular a connection controller device (MGC)
- including means for executing a method according to one of
the preceding claims.
- 25 10. Arrangement - in particular a packet-oriented, integrated
multimedia network (IN) or hybrid network (IN, PSTN) -
including computer program products and/or devices for
executing a method according to one of the preceding claims.